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**TRANSMITTAL LETTER TO THE UNITED STATES
DESIGNATED/ELECTED OFFICE (DO/EO/US)
CONCERNING A SUBMISSION UNDER 35 U.S.C. 371**

ATTORNEY'S DOCKET NUMBER
MATI-239US

U.S. APPLICATION NO. (If known; see 37 CFR 1.5)
To Be Assigned

10/575178

INTERNATIONAL APPLICATION NO.
PCT/US2005/000653

INTERNATIONAL FILING DATE
10 January 2005 (10.01.2005)

PRIORITY DATE CLAIMED
9 January 2004 (09.01.2004)

TITLE OF INVENTION ULTRA WIDEBAND SCRAMBLER FOR REDUCING POWER SPECTRAL DENSITY

APPLICANT(S) FOR DO/EO/US

Shaomin Samuel MO, Alexander D. GELMAN

Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:

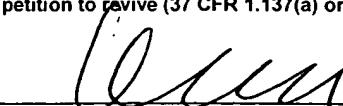
1. This is a **FIRST** submission of items concerning a submission under 35 U.S.C. 371.
2. This is a **SECOND** or **SUBSEQUENT** submission of items concerning a submission under 35 U.S.C. 371.
3. This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (21) indicated below.
4. The US has been elected (Article 31).
5. A copy of the International Application as filed (35 U.S.C. 371(c)(2))
 - a. is attached hereto (required only if not communicated by the International Bureau).
 - b. has been communicated by the International Bureau.
 - c. is not required, as the application was filed in the United States Receiving Office (RO/US).
6. An English language translation of the International Application as filed (35 U.S.C. 371(c)(2))
 - a. is attached hereto.
 - b. has been previously submitted under 35 U.S.C. 154(d)(4).
7. Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3))
 - a. are attached hereto (required only if not communicated by the International Bureau).
 - b. have been communicated by the International Bureau.
 - c. have not been made; however, the time limit for making such amendments has NOT expired.
 - d. have not been made and will not be made.
8. An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).
9. An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)).
10. An English language translation of the annexes of the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)).

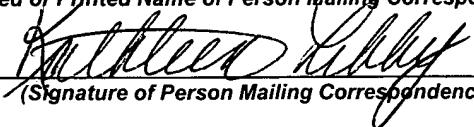
Items 11 to 20 below concern document(s) or information included:

11. An Information Disclosure Statement under 37 CFR 1.97 and 1.98.
12. An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.
13. A preliminary amendment.
14. An Application Data Sheet under 37 CFR 1.76.
15. A substitute specification.
16. A power of attorney and/or change of address letter.
17. A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 CFR 1.821- 1.825.
18. A second copy of the published International Application under 35 U.S.C. 154(d)(4).
19. A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4).
20. Other items or information: PTO-2038; Unexecuted Declaration/Power of Attorney; Certificate of Express Mail, Return Receipt Post Card; Req. for Correction of Error in Int'l Publication

This collection of information is required by 37 CFR 1.414 and 1.491-1.492. The information is required to obtain or retain a benefit by the public, which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 15 minutes to complete, including gathering information, preparing, and submitting the completed form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Mail Stop PCT, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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U.S. APPLICATION NO. (if known, see 37 CFR 1.5) To Be Assigned	INTERNATIONAL APPLICATION NO. PCT/US2005/000653	ATTORNEY'S DOCKET NUMBER MATI-239US	
The following fees have been submitted		CALCULATIONS PTO USE ONLY	
21. <input checked="" type="checkbox"/> Basic national fee (37 CFR 1.492(a))..... \$300		\$300	
22. <input checked="" type="checkbox"/> Examination fee (37 CFR 1.492(c)) If the written opinion prepared by ISA/US or the International preliminary examination report prepared by IPEA/US indicates all claims satisfy provisions of PCT Article 33(1)-(4)... \$0 All other situations..... \$200		\$200	
23. <input checked="" type="checkbox"/> Search fee (37 CFR 1.492(b)) If the written opinion prepared by ISA/US or the International preliminary examination report prepared by IPEA/US indicates all claims satisfy provisions of PCT Article 33(1)-(4)... \$0 Search fee (37 CFR 1.44(a)(2)) has been paid on the international application to the USPTO as an International Searching Authority..... \$100 International Search Report prepared by an ISA other than the US and provided to the Office or previously communicated to the US by the IB \$400 All other situations..... \$500		\$ 400	
TOTAL OF 21, 22 and 23 =		\$ 900	
<input type="checkbox"/> Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing or computer program listing filed in an electronic medium). The fee is \$250 for each additional 50 sheets of paper or fraction thereof.			
Total Sheets	Extra Sheets	Number of each additional 50 or fraction thereof (round up to a whole number)	
- 100 =	/50 =	x \$250	
Surcharge of \$130.00 for furnishing the oath or declaration later than 30 months from the earliest claimed priority date (37 CFR 1.492(e)).		\$	
CLAIMS	NUMBER FILED	NUMBER EXTRA	RATE
Total claims	21 - 20 =	1	x \$ 50 \$ 50
Independent claims	6 - 3 =	3	x \$200 \$ 600
MULTIPLE DEPENDENT CLAIM(S) (if applicable)		+ \$360	\$
TOTAL OF ABOVE CALCULATIONS =		\$ 1,550	
<input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. Fees above are reduced by ½.			
		SUBTOTAL =	\$ 1,550
Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(i)).		\$	
		TOTAL NATIONAL FEE =	\$ 1,550
Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property		\$	
		TOTAL FEES ENCLOSED =	\$ 1,550
		Amount to be refunded:	\$
		Amount to be charged:	\$
a. <input type="checkbox"/> A check in the amount of \$ _____ to cover the above fees is enclosed.			
b. <input type="checkbox"/> Please charge my Deposit Account No. _____ in the amount of \$ _____ to cover the above fees. A duplicate copy of this sheet is enclosed.			
c. <input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. <u>18-0350</u> . A duplicate copy of this sheet is enclosed.			
d. <input checked="" type="checkbox"/> Fees are to be charged to a credit card. WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.			
NOTE: Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the International Application to pending status.			
SEND ALL CORRESPONDENCE TO:			
<input checked="" type="checkbox"/> Customer Number <u>52373</u>			
OR			
<input checked="" type="checkbox"/> Ratner Prestia, P.O. Box 980, Valley Forge, PA 19482			
<input type="checkbox"/> Ratner Prestia, P.O. Box 1596, Wilmington, DE 19899			
Date : <u>April 7, 2006</u>	SIGNATURE 		
Kenneth N. Nigon			
NAME <u>31,549</u>			
REGISTRATION NUMBER			

CERTIFICATE OF MAILING BY "EXPRESS MAIL" (37 CFR 1.10) Applicant(s): Shaomin Samuel Mo et al.		Docket No. MATI-239US	
Serial No. 10/4575178 to Be Assigned	Filing Date Herewith	Examiner:	Group Art Unit
Invention: ULTRA WIDEBAND SCRAMBLER FOR REDUCING POWER SPECTRAL DENSITY			
<p>I hereby certify that the following correspondence:</p> <p>U.S. National Phase and its enclosures.</p>			
<i>(Identify type of correspondence)</i>			
<p>Is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 in an envelope addressed to:</p> <p>Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on April 7, 2006</p>			
<u>Kathleen Libby</u> <small>(Typed or Printed Name of Person Mailing Correspondence)</small>  <small>(Signature of Person Mailing Correspondence)</small>			
<u>EV 689 864 077 US</u> <small>("Express Mail" Mailing Label Number)</small>			
<p>Note: Each paper must have its own certificate of mailing.</p>			

IAP20 Rec'd PCT/PTO 07 APR 2006
IN THE INTERNATIONAL BUREAU OF WIPO

PCT/US2005/000653	10 JAN 2005 (10.01.05)	09 JAN 2004 (09.01.04)
Int'l Appl. No.	Int'l Filing Date	Earliest Priority Claimed

Title of Invention: **ULTRA WIDEBAND SCRAMBLER FOR REDUCING POWER SPECTRAL DENSITY**

Applicant: **MATSUSHITA ELECTRONIC INDUSTRIAL CO., LTD., et al.**

The International Bureau of WIPO
 34, chemin des Colombettes
 CH-1211 Geneva 20
 Switzerland

**REQUEST FOR CORRECTION OF ERROR
 IN INTERNATIONAL PUBLICATION**

Dear Sir or Madam:

Enclosed please find a copy of the cover sheet of the International Publication of the above-identified PCT International Application, along with a copy of Sheet No. 1 of the Request Form filed with this application. Please add the Inventor, Shaomin Samuel Mo, to the cover of the International Publication so that both inventors, "Shaomin Samuel MO and Alexander D. GELMAN", are listed.

Applicants respectfully request correction of this error, and republication of the International Publication cover sheet.

Respectfully submitted,
 RatnerPrestia



Kenneth N. Nigon
 Attorney for Applicants

Date: April 5, 2006

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